line 18, delete "(Figs. 2a-2b);

line 19, correct "2a-b" to ---2A-B---;

line 20, correct "120" to ---210---;

line 21, correct "120 (Figs. 2a-b)" to ---210---; and

line 27, correct "3a" to ---3A---;

IN THE CLAIMS

Please cancel claims 2, 7, and 11 without prejudice.

Please rewrite claims 1, 4, 6, 10, 15, and 18 as follows:

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sub B37

G1

1. (amended) A heat exchange panel to be conformed to a complex shape, comprising:

a first layer which is conformable to a complex shape;

a second layer which is conformable to a complex shape and has [having] a common border with the first layer;

a border seal [for] sealing the first layer and the second layer at said border; and

a dot matrix of attachments interiorly of said border between the first layer and the second layer [and within said border], the dot matrix organized into first imaginary lines and second imaginary lines for connecting dots of said dot matrix to nearest dots of said dot matrix, said first lines crossing said second lines at an angle in a range of about 70° to 100°.

G4

4. (amended) The panel of claim 3 [1], further comprising:

a first port for passing a fluid into the panel [.];

a second port for passing said fluid out of the panel; and

at least one fence interiorly of said border [for] sealing the first layer and the second layer [between the first port and the second port], said

fence cooperating with said border to define a fluid flow channel within said panel--.

6. (amended) A method of manufacturing a heat exchange panel which conforms to a complex shape comprising the steps of:

sealing a first layer which is conformable to a complex shape to a second layer at a common border , which second layer is also conformable to a complex shape; and

attaching said first layer to said second layer interiorly of [within] said border with a dot matrix of attachments, said dot matrix organized into first imaginary lines and second imaginary lines for connecting dots of said dot matrix to nearest dots of said dot matrix, said first lines crossing said second lines at an angle in a range of about 70° to 110°.

10. (amended) A method for exchange heat with a complex shape, comprising the steps of:

receiving a fluid flow in a first port;

restricting a passage of said fluid flow between a first layer and a second layer which are conformable to a complex shape;

further restricting said passage with a border seal at a common border between said first layer and said second layer;

passing said fluid flow through a dot matrix of attachments organized into first imaginary lines and second imaginary lines connecting dots of said dot matrix to nearest dots of said dot matrix, said first lines crossing said second lines at an angle in a range of about 70° to 110°; and

issuing said fluid flow through a second port.

15. (amended) A system for exchanging heat with a complex shape; comprising:

a heat transfer device for one of cooling or heating a fluid;

a pump/reservoir coupled to the heat transfer device for storing and pumping said fluid; and

a heat exchange panel coupled to the pump/reservoir and the heat transfer device, the heat exchange panel including a first layer which is conformable to a complex shape, a second layer [having] which is conformable to a complex shape and has a common border with the first layer, a border seal for sealing said first layer and said second layer at said border, a first port for receiving said fluid, a second port contiguous with said first port for issuing said fluid, and a dot matrix of attachments between said first layer and said second layers, said dot matrix organized into first imaginary lines and second imaginary lines for connecting dots of said dot matrix to nearest dots of said dot matrix, said first lines crossing said second lines at an angle in the range of about 70° to 110°.

18. (amended) The system of claim 15, wherein:

the heat exchange panel further includes at least one fence interiorly of said border for sealing said first layer and said second layer [between the first port and the second port] , said fence cooperating with said border to define a fluid flow channel within said panel.

Please add the following claims 20-23.

20. The panel of claim 4 wherein said first and second ports are contiguous.

21. The panel of claim 1 wherein said first and second layers are sealed together at dots to form said dot matrix of attachments.